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AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0061] with the following amended paragraph:

[0061] The reference direct converter 238 creates a digitized reference of the spectral energy of the transmitter 280 within the bandwidth 402 of the receiver (Figure 4) to produce an output, $\underline{Z}(n)$. The reference direct converter 238 ~~transfer~~transfer the signal $\underline{Z}(n)$ to the adaptive digital transversal filter 234 and the cross correlation measurement module 240.